

DRILL SCREW FOR MORTAR AND METHOD FOR MOUNTING OBJECT TO BE MOUNTED

Patent number: JP2001304218

Publication date: 2001-10-31

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Classification:

- international: F16B25/10; B28D1/14; B28D1/26

- european:

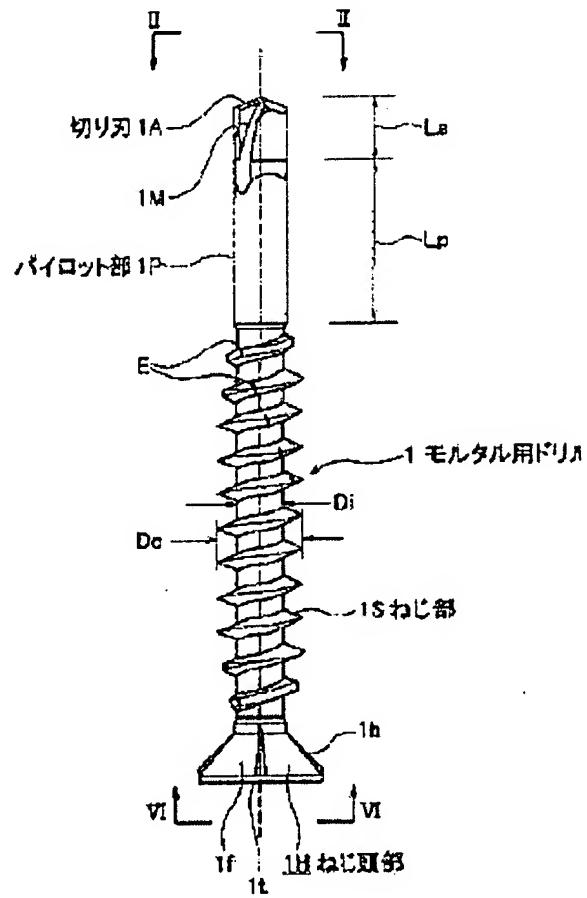
Application number: JP20000119350 20000420

Priority number(s):

Abstract of JP2001304218

PROBLEM TO BE SOLVED: To provide a drill for mortar to be capable of threadedly mounting an object to be mounted directly on a mortar wall or a block without needing a prepared hole at all and to provide a method for mounting the object to be mounted on a drill for mortar and a mortar wall, etc.

SOLUTION: The drill screw for mortar is provided at its tip with a cutting blade 1A having a tip angle of 100-140 deg. and surface and internal part hardness of at least 49 or more in HRC hardness and on its base end side with a pilot part 1P formed in a circular shape in cross section having an outside diameter larger than the diameter of the cutting blade, on the base end side with a screw part 1S having an outside diameter larger than the diameter of the cutting blade, and at the base end with a screw head part 1H. The object to be mounted is situated on the surface of the mortar wall, etc., and the drill screw 1 for mortar is mounted from the surface side on a tip with the tip of the cutting blade 1A pointing to the surface of the object to be mounted with vibration and an impact in a rotation direction being exerted by a power vibration drill mounted on the tip.



【図面の簡単な説明】

【図1】 本実施例にかかるモルタル用ドリルねじの側面図である。

【図2】 図1に示すモルタル用ドリルねじの先端部の構成を示す図1のII-II部分拡大矢視図である。

【図3】 図4のIII-III矢視図である。

【図4】 (a)は切り刃の先端角およびすくい面並びに逃げ面を表した図2の先端部分の拡大図、(b)はすくい角と逃げ角を表した(a)の刃先部分の部分拡大図である。

【図5】 図2の先端のサブランド径と逃げ面を表した図4のV-V部分拡大矢視図である。

【図6】 頭部のドライバーピットの挿入穴を表す図1のVI-VI矢視図である。

【符号の説明】

1 ……モルタル用ドリルねじ

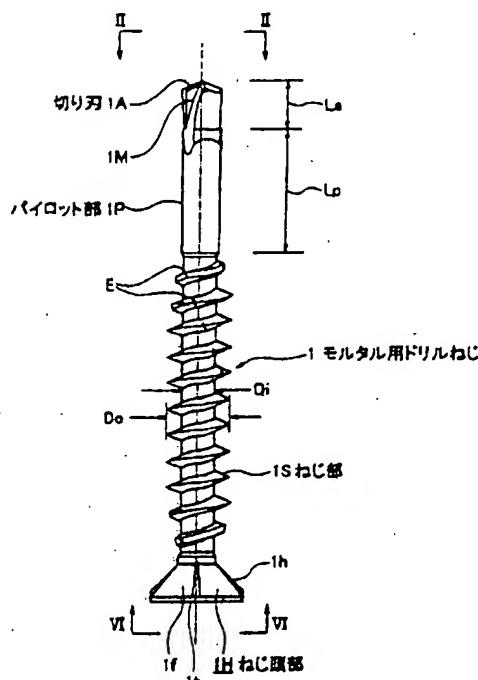
1A ……切り刃

1H ……ねじ頭部

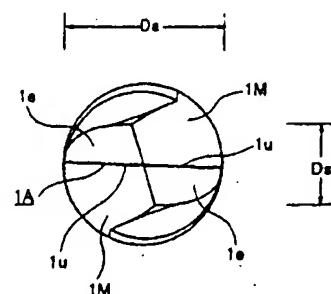
1P ……パイロット部

1S ……ねじ部

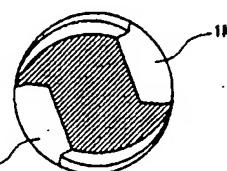
【図1】



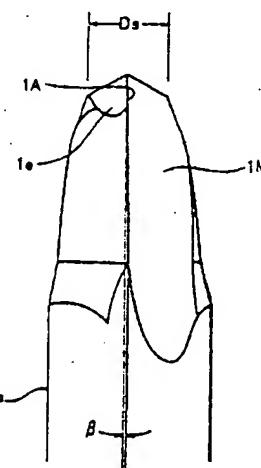
【図2】



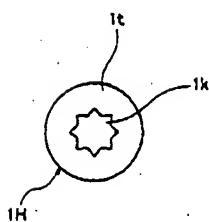
【図3】



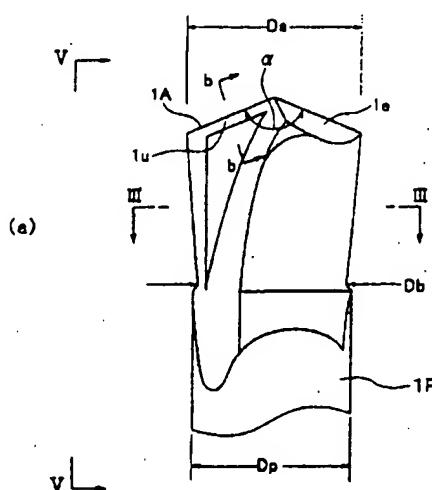
【図5】



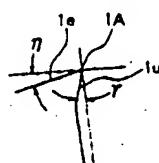
【図6】



【図4】



(a)



(b)